Tatsuya Ibuki

List of Publications by Year
in descending order

21 papers	106 citations	1937685 4 h-index	1474206 9 g-index
21 all docs	21 docs citations	21 times ranked	91 citing authors

#	Article	IF	Citations
1	Short Stay Overseas for a New Research Topic and International Research Collaboration. Journal of the Robotics Society of Japan, 2022, 40, 105-107.	0.1	0
2	Safety Uncertainty in Control Barrier Functions using Gaussian Processes. , 2021, , .		7
3	A Geometric Method of Hoverability Analysis for Multirotor UAVs With Upward-Oriented Rotors. IEEE Transactions on Robotics, 2021, 37, 1765-1779.	10.3	9
4	Spatial Dynamics Representation and Recoverable One-degree Model Reduction for Nonlinear Systems. IFAC-PapersOnLine, 2021, 54, 325-328.	0.9	0
5	Distributed Collision-Free Motion Coordination on a Sphere: A Conic Control Barrier Function Approach. , 2020, 4, 976-981.		10
6	Real-Time Model Predictive Control of Rigid Body Motion via Discretization Using the Cayley Map. IEEE Access, 2020, 8, 17149-17159.	4.2	2
7	Optimization-Based Distributed Flocking Control for Multiple Rigid Bodies. IEEE Robotics and Automation Letters, 2020, 5, 1891-1898.	5.1	36
8	Online Optimal Mode Control for Plug-in Hybrid Vehicles Based on Driving Routes. IFAC-PapersOnLine, 2020, 53, 14135-14140.	0.9	1
9	Development and Design Optimization of 2Y Hexarotor with Robustness against Rotor Failure. IFAC-PapersOnLine, 2020, 53, 9334-9339.	0.9	2
10	Passivity-based Pose Synchronization under Disturbances in Three Dimensions. Transactions of the Society of Instrument and Control Engineers, 2019, 55, 808-815.	0.2	0
11	Constrained Control in Three Dimensions via Explicit Reference Governor. Transactions of the Society of Instrument and Control Engineers, 2019, 55, 762-771.	0.2	0
12	A Stochastic Optimal Control Method Using Statistical Information and Binary Variables with an Application to Online Optimal Mode Management for Plug-in Hybrid Vehicles. Transactions of the Society of Instrument and Control Engineers, 2019, 55, 331-341.	0.2	0
13	A Hoverability Analysis Method for Multirotor UAVs with a Case Study on Fault Tolerance. , 2018, , .		7
14	Pose Synchronization for Quadrotor Networks under Fixed General Interconnection Topology: A Passivity Approach. SICE Journal of Control Measurement and System Integration, 2018, 11, 160-168.	0.7	1
15	Maneuverability Analysis of a Fully-Actuated Hexrotor UAV Considering Tilt Angles and Arrangement of Rotors. IFAC-PapersOnLine, 2017, 50, 8981-8986.	0.9	20
16	Rolling Motion Control Introducing Back Bending for Acrobot Composed of Rounded Links. IFAC-PapersOnLine, 2017, 50, 764-769.	0.9	1
17	Coordinates and Input Transformation for State Constrained Nonlinear System. Transactions of the Society of Instrument and Control Engineers, 2017, 53, 337-345.	0.2	1
18	Visual Feedback Position Tracking and Attitude Analysis of Two-Wheeled Vehicles Integrating a Target Vehicle Motion Model. SICE Journal of Control Measurement and System Integration, 2017, 10, 204-213.	0.7	1

#	Article	IF	Citations
19	Relative Pose Information-based 3-D Flocking Control. Transactions of the Society of Instrument and Control Engineers, 2015, 51, 189-196.	0.2	0
20	3-D Pose Synchronization. Transactions of the Society of Instrument and Control Engineers, 2014, 50, 374-382.	0.2	0
21	Passivity-Based Visual Feedback Pose Regulation Integrating a Target Motion Model in Three Dimensions. SICE Journal of Control Measurement and System Integration, 2013, 6, 322-330.	0.7	8